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TECHNOLOGY GROUP

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Find the *Mini-Circuits NLP-1750* at our website: ***Click HERE***

Coaxial

Low Pass Filter

NLP-1750

50Ω DC to 1400 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

Features

- rugged shielded case
- other NLP models available with wide selection of cut-off frequencies



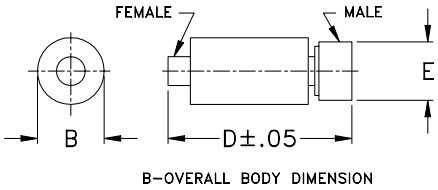
Applications

- lab use
- test equipment
- video equipment

CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NLP-1750	$37.95 ea.	(1-9)

Outline Drawing



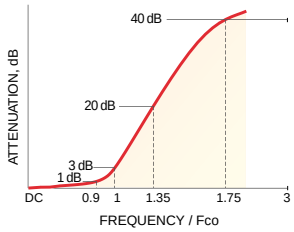
Outline Dimensions (inch / mm)

B	D	E	wt
.67	2.90	.82	grams
17.02	73.66	20.83	90.0

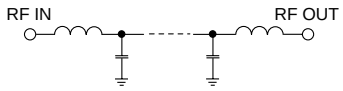
Low Pass Filter Electrical Specifications

PASSBAND (MHz) (loss < 1 dB)	fco (MHz) Nom. (loss 3 dB)	STOPBAND (MHz) (loss > 20 dB)	STOPBAND (MHz) (loss > 40 dB)	VSWR (:1) Passband Typ.	VSWR (:1) Stopband Typ.
DC-1500	1750	2400-3000	3000-6000	1.3	18

typical frequency response



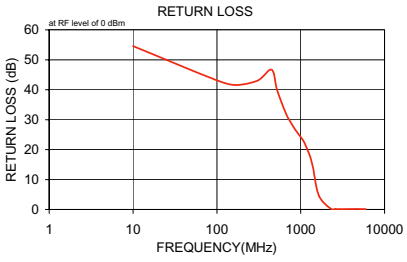
electrical schematic

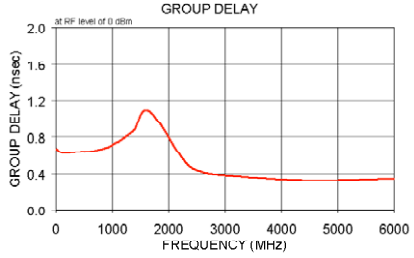


Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.00	0.01	0.00	54.57	10.00	0.67
83.15	0.03	0.00	44.01	83.15	0.63
156.31	0.04	0.00	41.59	156.31	0.62
302.63	0.07	0.01	42.96	302.63	0.63
448.94	0.09	0.01	46.71	448.94	0.64
522.10	0.10	0.01	39.86	522.10	0.64
668.42	0.11	0.01	31.98	668.42	0.65
814.73	0.14	0.01	27.73	814.73	0.67
961.05	0.17	0.01	24.86	961.05	0.70
1034.21	0.17	0.01	23.60	1034.21	0.73
1107.36	0.19	0.01	22.24	1107.36	0.75
1253.68	0.25	0.02	18.78	1253.68	0.81
1326.84	0.31	0.02	16.60	1326.84	0.84
1400.00	0.42	0.02	14.05	1400.00	0.88
1650.00	2.45	0.50	4.55	1650.00	1.09
2300.00	25.15	0.47	0.18	2300.00	0.52
2600.00	34.79	0.99	0.13	2600.00	0.42
2900.00	43.62	2.12	0.12	2900.00	0.39
4450.00	74.07	10.02	0.14	4450.00	0.33







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